GROUP 14

ENGINE COOLING

CONTENTS

GENERAL INFORMATION

M2140000100252

The cooling system is a water-cooled pressurized, forced circulation type which offers the following features.

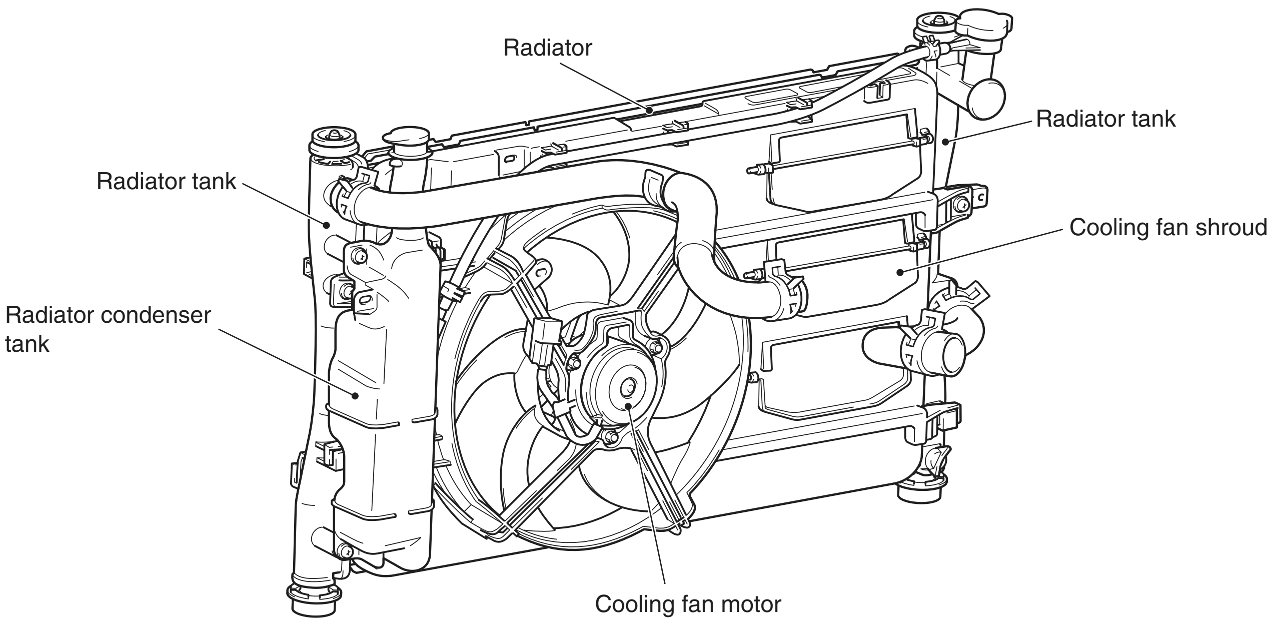
- To stabilize engine coolant temperature, the thermostat is located at the coolant inlet port from the radiator. <134, 135>
- To improve engine cooling performance and save weight, a plastic tank and aluminium radiator fins are used.
- A radiator condenser tank integrated with a radiator has been adopted in order to save weight. <134, 135>
- A cross flow type radiator assembly whose tanks are installed on the both sides of the radiator core has been adopted in order to decrease the overall height of the radiator and improve the aerodynamic performance.
- Reduction of weight, and current consumption, as a result of using small fan motor, large core area and wide fin pitch.

SPECIFICATIONS

<table>
<tr><th colspan="4">Item</th><th>Specification</th></tr>
<tr><td colspan="4">Cooling method</td><td>Water-cooled pressurized, forced circulation with electrical fan</td></tr>
<tr><td rowspan="2">Water pump</td><td colspan="2">Type</td><td>134, 135</td><td>Centrifugal impeller</td></tr>
<tr><td colspan="2">Drive method</td><td>134, 135</td><td>Drive belt</td></tr>
<tr><td rowspan="2">Thermostat</td><td colspan="2">Type</td><td>134, 135</td><td>Wax pellet with jiggle valve</td></tr>
<tr><td colspan="2">Valve open temperature °C</td><td>134, 135</td><td>82</td></tr>
<tr><td rowspan="4">Radiator</td><td colspan="3">Type</td><td>Pressurized corrugate type</td></tr>
<tr><td>Core size mm</td><td colspan="2">Width × Height × Thickness</td><td>400 × 640 × 16</td></tr>
<tr><td colspan="2" rowspan="2">Performance kJ/h</td><td>134, 135</td><td>126,000</td></tr>
<tr><td>639</td><td>208,800</td></tr>
</table>

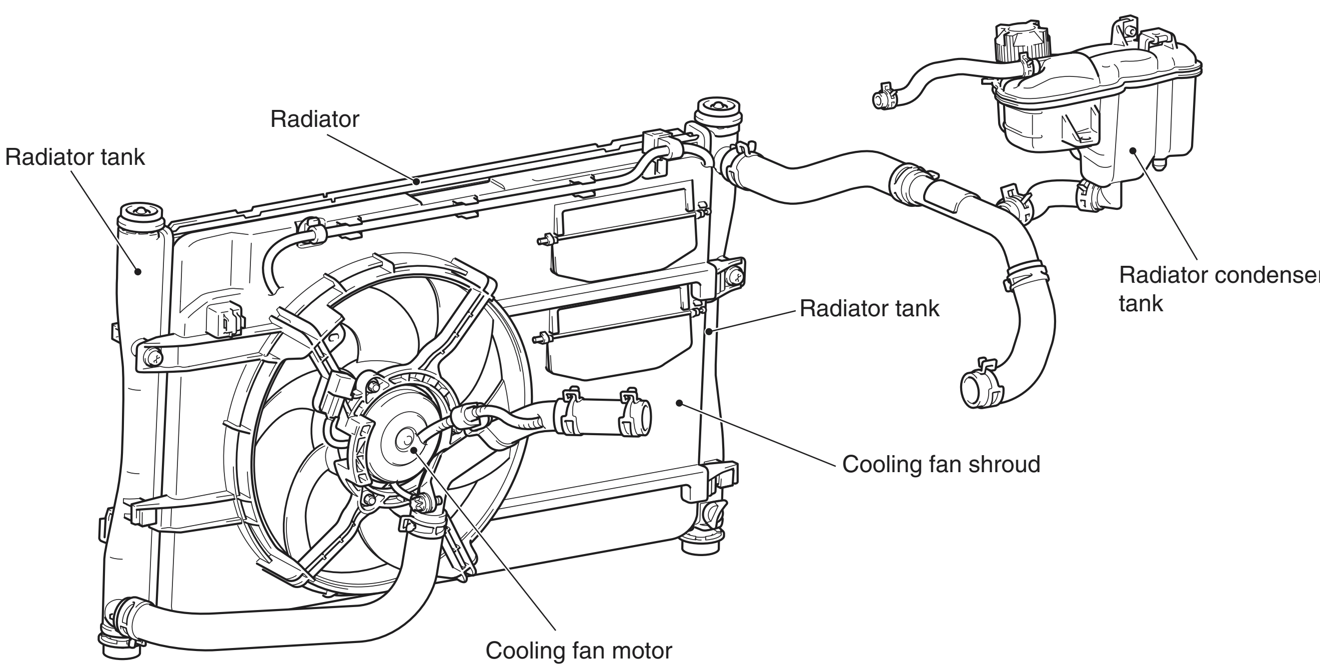
CONSTRUCTION DIAGRAM

<134, 135>



AC311510AB

<639>



AC400453AB